

The 5th International Conference on Smart Grid Synchronized Measurements and Analytics



SGSMA 2026 – <http://sgsma2026.cl>



**June 1-4, 2026
Santiago de Chile, Chile**



The broad electrification of the world economy, the continued deployment of renewables and the expansive means to reduce carbon emissions requires a reliable and resilient electric grid. Ensuring power system security and stability requires accurate, timely and verified synchronized measurements of time varying and noisy current and voltage signals, collected across vast electrical grids, numerous different electrical components and in the presence of volatile renewable energy sources. Synchronized measurements and their analysis support operational control and may enhance decisions in generation and grid investments. The infrastructure that enables, transmits, secures and stores synchronized measurements (incl. the cloud) becomes crucially important, too. *The International Conference on Smart Grid Synchronized Measurements and Analytics 2026 (SGSMA 2026) is the leading forum for disseminating the latest research and innovations on this multi-faceted topic.*

Examples of topics of interest – all on synchronized measurements and their systems/devices:

- Bad data detection and troubleshooting
- Metrics for performance evaluation
- Wide-area monitoring, control and protection of the electrical grid, microgrids and industrial plants
- Analytics and visualization of infrastructure
- Cyber-physical security
- Next generation control centers, IEC 61850 interface
- Optimal placement
- Theoretical and fundamental advances
- Accuracy of waveform and phasor calculation
- Signal processing for waveform components estimation
- Modeling, simulation and digital twins
- Time synchronization, clock sources, signal dissemination, instrumentation & uncertainty
- Certification, commissioning, field testing & calibration
- Sensors, communications & computing analytics
- Databases & integration with legacy systems & the cloud
- Educational needs and development
- Experiences & views from IEEE WIP & YPs, and CIGRE Women in Energy & Next Generation Network

Important Dates:

EXTENDED FINAL Deadline for Abstract Submissions
Decisions on Abstracts & Full Paper Submission Opens
Deadline for Full Paper Submissions
Tutorial/Workshop/Panels Proposals
Decisions on Full Papers & Proposals, Registrations Open
Deadline for PhD Dissertation Competition Submissions
Finalists of PhD Dissertation Competition Contacted
Final Paper Submissions
Early Bird Registration Deadline

Sep. 1st, '25
Sep. 5th, '25
Oct. 15th, '25
Oct. 31st, '25
Feb. 15th, '26
March 1st, '26
March 15th, '26
March 15th, '26
April 1st, '26

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